

Weight Indicator

FEATURES

- Economical general-purpose weighing indicator
- Large 6 digit LED display
- Two serial ports for simultaneous printer and PC connection
- Heavy duty ABS enclosure
- Sample rate up to 30 conversions per second
- OIML R-76 and NTEP approved to 10000d
- 3 level digital filtering
- Programmable ticket format up to 185 characters
- Consecutive transaction numbering
- **Optional**
 - UL power adaptor
 - TUV power adapter
 - UK power adapter
 - High tilt stand
 - Low tilt stand

APPLICATIONS

- Shipping and receiving scales
- Floor scales
- Bench scales

NOT AVAILABLE IN THE FOLLOWING REGIONS:

- North America, Central America, South America



DESCRIPTION

The VT 100 is an economical general purpose weighing indicator for platform scales and other industrial applications.

Two serial ports, RS-232 and current loop, provide simultaneously PC and printer interface capability. Ticket formats may be edited and downloaded with programmable ticket numbering, date, and time.

Load cells are connected using a quick disconnect plug, allowing simple installation and maintenance.

The heavy duty ABS enclosure easily adjusts for desktop, wall (tilt), or post mounting.

CONFIGURATION



Weight Indicator

SPECIFICATIONS

PERFORMANCE

Resolution

10000 or 100000 dd (selectable)

Conversion Speed

3, 7, 15, or 30 samples (selectable)

Sensitivity

1.0 $\mu\text{V}/\text{Vsi}$ for approved scales,
0.5 $\mu\text{V}/\text{Vsi}$ for non-approved scales

Full Scale Range

3 mV/V

Linearity

0.01% of full scale

Long-Term Stability

0.005% of full scale per year

Excitation

+5 VDC with sense (6 wires)

Number of Cells

Up to 8, 350 Ω load cells

Filter

Digital filter - 3 stages

Offset Drift

3.5 ppm/ $^{\circ}\text{C}$

Span Drift

3.5 ppm/ $^{\circ}\text{C}$

A/D Converter Type

Sigma-Delta, ratiometric

Count By

x1, x2, x5, x10, x50

Decimal Point

Between any digits of the weight display

Calibration Methods

Dead load and span, store in EEPROM

Weighing Functions

Automatic zero tracking, motion detection, auto-zero on power-up, zero, tare, gross/net, print, units conversion

ENVIRONMENTAL

Operating Temperature

-10 $^{\circ}\text{C}$ to +40 $^{\circ}\text{C}$ [14 $^{\circ}\text{F}$ to 104 $^{\circ}\text{F}$]

Storage Temperature

-10 $^{\circ}\text{C}$ to +70 $^{\circ}\text{C}$ [-4 $^{\circ}\text{F}$ to 158 $^{\circ}\text{F}$]

Relative Humidity

40–90% RH, non-condensing

DISPLAY AND KEYBOARD

Display

6 digit, 7-segment, LED, 20.3 mm

Status Enunciators

No motion, zero, net, units (kg, g)

Weight Digits

4, 5 or 6 (setup selectable)

Keyboard

5 key membrane keyboard, with tactile feedback

ELECTRICAL

Voltage

9 VDC or 115 or 230 VAC using power adapter

Power

8W

SERIAL COMMUNICATION

Serial Output #1

RS-232

Baud Rate

1200–38400 baud, full duplex

Applications

Continuous or printer output, PC interface

Serial Output #2

20 mA current loop–output only

Baud Rate

1200–9600 baud

Applications

Printer port

ENCLOSURE—HEAVY GAGE ABS

Dimensions

186.3 x 103 x 95 mm L x H x D
[7.32 x 4.05 x 3.74 in. L x H x D]

Mounting

Desktop, wall and tilt mount

APPROVALS (ACCURACY CLASS III)

OIML R-76

10000d EU-type approval no. T6877

NTEP

10000d single interval

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